8. OPERATIONAL FLEXIBILITY

DRAFT - For Discussion Only

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Operational Flexibility Supporting Information

System operational flexibility may varies by alternative. A relative qualitative scoring will depend on the diversion location(s), the flexibility in diversion timing provided by storage, multiple water diversion intakes, and other features of the alternative. The qualitative assessment provides the highest score to the alternatives with the most flexibility for water supply operations.

Definition

"Operational Flexibility" provides an indication of how well each alternative can shift operations as needed from time to time to provide the greatest benefits to the ecosystem, water quality, and water supply reliability.

Summary

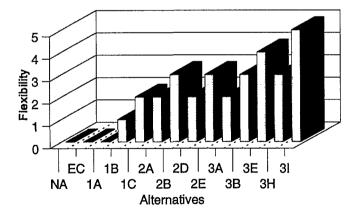
Water storage is the one greatest feature that adds to an alternative's operational flexibility. Storage allows shifting diversion timing to respond to real time needs of the ecosystem, water quality, and water supply. Delta conveyance improvements also increase flexibility. The alternatives with the most facilities generally provide the most flexibility to respond to real-time needs. Therefore, the alternative 2 variations generally perform better than the alternative 1 variations, and the alternative 3 variations generally perform better than alternative 2 variations.

The chart at right and Table 8.1 show a measure of operational flexibility for each alternative. A score of 0 indicates little or no flexibility and a score of 5 shows a high level of operational flexibility.

Supporting Information for Table 8.1

See summary above.

Operational Flexibility



0= low flexibility, 5= high flexibility

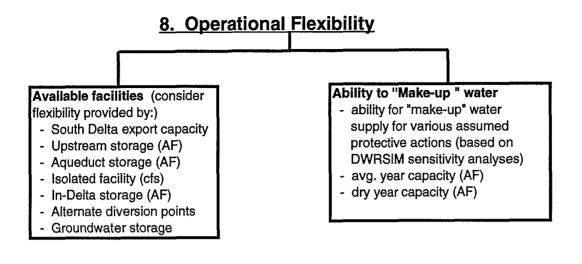


Table 8.1 Summary

	Available facilities	A	Ability to "make-up" water			
Alternative		Crit. Yr.	Crit. Yr. (TAF)		Avg. Yr. (TAF)	
					1	
Exist. Cond.	None		بق	, <u>o</u>		0
No-action	None		l be modeling	are made based railable facilities		0
			5 5 5 4	8 ≅		
1A	None		will be	<u>a</u> c		0
1B	SWP/CVP intertie		water wi	s are ma available		1
1C	Intertie and surface storage		water	E E		2
2A	Intertie & conveyance					2
2B	Intertie, thru Delta conveyance, storage		e-up"			3
2D	Intertie, thru Delta conveyance, d/s storage		\$ 5 E	ren evaluations assessment of a vide flexibility.		2
2E	Intertie, conveyance, storage		make d in n	g e g		3
ЗА	Intertie, thru Delta, small isolated					2
3B	Intertie, thru Delta, small isolated, storage		Z E	SSe		3
3E	Intertie, thru Delta, large isolated, storage		Ability to "rr	ourrent on asse provide		4
зн	Intertie, thru Delta, small isolated, storage		₹ 80	3 8 8		3
31	Intertie, thru Delta, large isolated, storage, multiple intakes					5

A higher ranking will be provided alternatives with more available facilities which increase flexibility.

A higher ranking will be provided alternatives which have a higher ability to "make-up" water potentially lost to protective actions.

Values are on a scale from 0 to 5; with 0 representing the least flexible and 5 representing the most.

To

Decision

Matrix